

FACT SHEET

Kelly AFBCA

FEBRUARY 2002

FORMER BUILDING 301 & BUILDING 360 CLEANUP PROPOSED

BACKGROUND

Former Building 301 has recently been demolished, including removal of all subsurface structures. It included nine sumps inside the building and a container storage area (CSA) outside the southwest corner of the building. The sumps, put into operation in 1978, were located approximately 8 feet below the surface inside the southern wall of the building basement and measured 10x10x10 feet. The CSA was taken out of service in 1996 when the concrete slab southwest of the building was demolished and removed for disposal.

Building 360 is an aerospace maintenance facility constructed in 1973. Some areas of this building were associated with the former parts cleaning operation. These include an open tank vault located west of the building and a basement that received drippings from cleaning vats located on the first floor of the west wing. The open tank vault contained 11 waste tanks that were taken out of service between 1997 and 2000. The basement underlying the first floor directed drippings from the first floor vats toward three sumps located 8 feet below grade along the north wall of the basement. The cleaning operations were discontinued in 1999. Currently, Building 360 is an active aerospace maintenance facility operated by a private company.

WHAT IS IN THE SOIL AND GROUNDWATER?

The primary chemical found in the soil at former Building 301 is

tetrachloroethene (PCE)- a cleaning solvent. PCE and its associated degradation products (trichloroethene or TCE and 1,2-dichloroethene or 1,2-DCE) are also present in the groundwater in the area of former Building 301 and Building 360.

The contamination will be cleaned up using the Texas Natural Resource Conservation Commission's Risk Reduction Standard No. 2.

CAN IT AFFECT ME?

The risks to neighborhood residents and KellyUSA workers from the chemicals in groundwater and soil were evaluated in the Remedial Investigation completed in 1993. This evaluation determined that direct exposure to the soil had minimal health risks, but that direct exposure to groundwater in the area (by drinking the water, getting it on your skin, or inhaling it) might result in significant health risks. The Air Force did several extensive surveys that determined that no one in the area had direct contact with the groundwater, because it was not used for drinking, cooking, bathing, washing or cleaning. There is no health risk for area residents, former Kelly Air Force Base workers, or current KellyUSA workers because there is no way to come in contact with the groundwater (which is at least 10 feet underground).

WHY CLEAN IT UP IF IT DOES NOT AFFECT ME?

The Air Force has an obligation to clean up any contamination caused by Air Force activities, no matter how long it

might take. The Air Force will continue cleanup activities even if the property is transferred or sold. Although the shallow groundwater is not currently being used, it is important to clean it up to protect Leon Creek.

PUBLIC COMMENT INVITED

The AFBCA is conducting a public comment period from February 5 through March 7, 2002. During this time, the public is encouraged to review and comment on all the alternatives for cleanup of these sites (SEE BACK FOR CLEANUP ALTERNATIVES). The Proposed Plan for these buildings can be reviewed at the San Antonio Main Public Library in the Government Documents section.

Comments may be submitted either verbally or in writing during the public meeting to be held on February 19, 2002 at 5:30 p.m., immediately prior to the Restoration Advisory Board meeting. This public meeting will be held at Kennedy High School, 1922 S. General McMullen.

Comments may also be submitted through the Public Information Line at 210-925-0956, through the website located at: <http://www.kelly.ch2m.com>, or by writing us at the address below:

AFBCA, Buildings 301 and 360
143 Billy Mitchell Blvd., Suite 1
San Antonio, Texas 78226-1816

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WHAT ARE THE CLEANUP ALTERNATIVES?

Building 301 Soil

The AFBCA has evaluated five ways to clean up the soil at Building 301:

Alternative 1 - No action

Alternative 2 - Engineered Surface Cap of Soils

Alternative 3 - Complete Excavation and Off-Site Disposal of Soils

Alternative 4 - Soil Vapor Extraction (SVE) with Water Table Depression

Alternative 5 - Thermally Enhanced SVE

Building 301 Groundwater

The AFBCA has also evaluated four ways to clean up the groundwater at Building 301:

Alternative 1 - No Action

Alternative 2 - Slurry Wall with Hydraulic Control

Alternative 3 - Permeable Reactive Barrier (PRB)

Alternative 4 - Pump and Treat Wells

Preferred Alternatives

Because the thermally enhanced SVE alternative (Soil Alternative 5) removes contaminants from both soil and groundwater in a short time period, an additional alternative to contain groundwater is not needed. Therefore, AFBCA prefers Soil **Alternative 5** to address both soil and groundwater at the former Building 301.

Because a PRB (Alternative 4) is a technology that occurs in place and does not require continual groundwater recovery and subsequent treatment and disposal, AFBCA prefers **Alternative 4** for groundwater at **Building 360**.

Building 360 Groundwater

The AFBCA has evaluated five ways to clean up the groundwater at Building 360:

Alternative 1 - No Action

Alternative 2 - Bioaugmentation

Alternative 3 - Slurry Wall with Hydraulic Control

Alternative 4 - Permeable Reactive Barrier (PRB)

Alternative 5 - Pump and Treat Wells

Questions or Comments?

During the public comment period, the public is encouraged to review and comment on all the alternatives for cleanup of these sites. Comments may be submitted either verbally or in writing during the public meeting.

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